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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,814	10/05/2006	Henri Drean	5637	4412
26936 7550 02/18/2010 SHOEMAKER AND MATTARE, LTD 10 POST OFFICE ROAD - SUITE 100			EXAMINER	
			ALEMU, EPHREM	
SILVER SPRING, MD 20910			ART UNIT	PAPER NUMBER
			2821	
			MAIL DATE	DELIVERY MODE
			02/18/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/530.814 DREAN, HENRI Office Action Summary Examiner Art Unit Ephrem Alemu -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 08 April 2005. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 33-52 is/are pending in the application.

4a) Of the above claim(s) is/are withdrawn from	m consideration.
5) Claim(s) is/are allowed.	
6)⊠ Claim(s) <u>33,34,41 and 42</u> is/are rejected.	
7) Claim(s) 35-40 and 43-52 is/are objected to.	
8) Claim(s) are subject to restriction and/or elec	tion requirement.
Application Papers	
9)☐ The specification is objected to by the Examiner.	
10) The drawing(s) filed on is/are: a) accepted	or b) objected to by the Examiner.
Applicant may not request that any objection to the drawir	ng(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is	required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examin	er. Note the attached Office Action or form PTO-152.
Priority under 35 U.S.C. § 119	
12) Acknowledgment is made of a claim for foreign prior	ity under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:	
Certified copies of the priority documents hav	
Certified copies of the priority documents hav	· · · · · · · · · · · · · · · · · · ·
Copies of the certified copies of the priority do	•
application from the International Bureau (PC	* "
* See the attached detailed Office action for a list of the	e certified copies not received.
Attachment(s) 1) ⊠ Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)
2) Notice of Preferences Cited (P10-892) Notice of Draftsperson's Patent Drawing Review (PT0-948)	Paper No(s)/Mail Date
3) N Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal Patent Application
Paper No(s)/Mail Date <u>12/14/2005</u> .	6) Other:
U.S. Patent and Trademark Office	

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DETAILED ACTION

Specification

The specification has not been checked to the extent necessary to determine the presence
of all possible minor errors. Applicant's cooperation is requested in correcting any errors of
which applicant may become aware in the specification.

Claim Objections

 Claims 36, 37, 44, 45, 49, 50 and 51 are objected to because of the following informalities:

Re claims 36 and 37, line 1, "claim 33" should be replaced with --claim 35-- and/or corrected appropriately to eliminate lack of antecedent basis.

Re claims 44, 49 an 50, line 1, "claim 41" should be replaced with --claim 45-- and/or corrected appropriately to eliminate lack of antecedent basis.

Re claims 45 an 51, line 1, "claim 41" should be replaced with --claim 43-- and/or corrected appropriately to eliminate lack of antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claims 41-42 and 33-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Patrick et al. (US 5,474,648).

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Re claim 41, Patrick discloses a plasma-generating device (104) for treatment of a gaseous medium, comprising a control device (204) and a powering system (102) connected to the control device, and a detection device (not shown) for detecting a level of contamination of said gaseous medium (Col. 6, lines 61-64), wherein an electric signal of the plasma-generating device is modulated by the control device (204), according to the level of contamination detectable by the detection device (not shown) (Figs. 2A, 2B; Col. 5, line 54- Col. 6, line 23; wherein the electrical signal is chosen from the group consisting of the alternating voltage being supplied to at least one pair of plasma electrodes, the current, or combinations thereof).

Re claims 33 and 34, given the control circuit as discussed above in claims 41-42, the method for controlling the power factor of a power supply line as claimed in claims 33 and 34 is inevitable.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
 obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claim 52 is rejected under 35 U.S.C. 103(a) as being unpatentable over Patrick et al. (US 5,474,648).

Re claim 52, although Patrick does not show the detection device being at least one manual or automatic probing device, it would have been deemed obvious to one having ordinary skill in the art the detection device being at least one manual or automatic probing device for no other reason than providing information concerning the presence of the various type of

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contamination for the purpose of modulating the electric signal of the plasma-generating device according to the level of contamination detectable by the detection device (Figs. 2A, 2B; Col. 5, line 54- Col. 6, line 23).

Allowable Subject Matter

- 7. Claims 43 and 35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- Claims 44-52 and 36-40 are objected to as being directly or indirectly dependent upon objected claims 43 and 35.

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Crowe et al. (US 7,192,553); Campbell et al. (US 5,650,693); Bennett et al. (US 5,367,139); teach similar inventive subject matter.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ephrem Alemu whose telephone number is (571) 272-1818. The examiner can normally be reached on M-F 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Douglas W Owens/ Supervisory Patent Examiner, Art Unit 2821 February 16, 2010